Notice of Allowability	Application No.	Applicant(s)	
	10/679,915	REMILLARD ET AL.	
	Examiner	Art Unit	
	Jayesh A. Patel	2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *07/23/07*.

2. ☒ The allowed claim(s) is/are *10 and 13*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

JINGGE WU
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

1. Claims 10 and 13 are allowed.

2. Claims 1-9,11-12,14-20 are cancelled.

Reasons for Allowance

The following is an examiner's statement of the reasons for allowance. The Claimed subject matter in Claim 10 is indicated allowable over the closest prior art. on record Camus et al. (US 6088470) . Camus discloses a vision system for a vehicle comprising: a light source generating an illumination beam; a receiver generating a first image signal and a second image signal, at least one of said first image signal and said second image signal being generated in response to at least a reflected portion of said illumination beam; and a controller coupled to said light source and said receiver, said controller generating an image in response to said first image signal and said second image signal. Camus further discloses a system wherein said receiver in generating a first image signal and a second image signal generates an illuminated image signal having pixel intensity

values Ib and a non- illuminated image signal having pixel intensity values Id. Camus however does not disclose a system as in wherein said controller generates said image in response to a maximum image intensity threshold Ibmax and a minimum intensity threshold Ibmin and wherein said controller determines pixel intensity values of at least a portion of said image to be approximately equal to Iavg – (Ibmax-Ib)(Iavg-Ibmin)/Delta where average intensity values Iavg are approximately equal to Ib + Id/2 and threshold difference Delta is approximately equal to Ibmax – Ibmin. Therefore it is allowable over the prior art on record.

The Claimed subject matter in Claim 13 was indicated allowable in the previous office action. The most pertinent prior art is Camus et al. (US 6088470). Camus discloses a vision system for a vehicle comprising: a light source generating an illumination beam; a receiver generating a first image signal and a second image signal, at least one of said first image signal and said second image signal being generated in response to at least a reflected portion of said illumination beam; and a controller coupled to said light source and said receiver, said controller generating an image in response to said first image signal and said second image signal. Camus further discloses a system wherein said receiver in generating a first image signal and a second image signal generates an illuminated image signal having pixel intensity values Ib and a non- illuminated image signal having pixel intensity values Id. Camus however does not disclose a system as in wherein said controller determines pixel intensity values of at least

a portion of said image to be approximately equal to Ib/I+(Ib-Id)/Beta where Beta is a Predetermined value. Therefore it is allowable over the prior art on record.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jayesh A. Patel whose telephone number is 571-270-1227. The examiner can normally be reached on M-F 7.00am to 4.30 pm (5-4-9).If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jingge Wu can be reached on 571-272-7429. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jayesh Patel
JP 07/27/07

JINGGE WU
SUPERVISORY PATENT EXAMINER